

## **CLAIMS**

What is claimed is:

1. A digital notebook, comprising:

an outer covering;

a paper, said paper is connected on said outer covering by a fastening means;

a handwriting of pictures and literary handling system with a electromagnetic induction sub-circuit and an application specific integrated circuit, wherein said handwriting of pictures and literary handling system is located in said outer covering, and said electromagnetic induction sub-circuit is used for detecting the handwriting of pictures and literary written on said paper to generate a first signal, wherein said application specific integrated circuit is electrically coupled with said electromagnetic induction sub-circuit to receive said first signal to generate a second signal with digital data of the handwriting of pictures and literary; and

a handwriting of pictures and literary inputting system, wherein said handwriting of pictures and literary inputting system is used for writing the handwriting of pictures and literary on said paper and perform the interaction of electromagnetic induction to generate said first signal on writing.

2. The digital notebook of claim 1, wherein said handwriting of pictures and literary handling system comprising a transmission sub-circuit, wherein said transmission sub-circuit is electrically coupled with said application specific integrated circuit to communicate said second signal.

3. The digital notebook of claim 1, wherein said handwriting of pictures and literary handling system comprising a storage sub-circuit, wherein said storage sub-circuit is electrically coupled with said application specific integrated circuit to access said second

signal within said storage sub-circuit.

4. The digital notebook of claim 1, wherein said handwriting of pictures and literary handling system comprising a sound recording sub-circuit, wherein said sound recording sub-circuit is electrically coupled with said application specific integrated circuit to receive a sound signal, and said sound signal is transformed into a third signal with digital signal of said sound signal.

5. The digital notebook of claim 1, wherein said handwriting of pictures and literary handling system comprising a power sub-circuit to supply the power to said digital notebook.

6. The digital notebook of claim 2, wherein said handwriting of pictures and literary handling system comprising a wireless network communication sub-circuit, wherein said wireless network communication sub-circuit is electrically coupled with said application specific integrated circuit to control the wireless network communication, and said wireless network communication sub-circuit is also electrically coupled with said transmission sub-circuit to perform the wireless communication with the external communication system.

7. The digital notebook of claim 1, wherein said handwriting of pictures and literary inputting system comprising a line, wherein said line is electrically coupled with said handwriting of pictures and literary handling system to supply the power to handwriting of pictures and literary inputting system.

8. The digital notebook of claim 1, wherein said handwriting of pictures and literary inputting system comprising a electric current generating sub-circuit to supply the power to handwriting of pictures and literary inputting system by the interaction of electromagnetic induction.

9. The digital notebook of claim 1, wherein said handwriting of pictures and literary handling system comprising an application program to make a electric signature.

10. A digital notebook, said digital notebook comprise:

- an outer covering;

- a paper, said paper is connected on said outer covering by a fastening means;

- a handwriting of pictures and literary handling system located in said outer covering, comprising:

  - an electromagnetic induction sub-circuit, said electromagnetic induction sub-circuit is used for detecting the handwriting of pictures and literary written on said paper to generate a first signal;

  - an application specific integrated circuit, said application specific integrated circuit is electrically coupled with said electromagnetic induction sub-circuit to receive said first signal to generate a second signal with digital data of the handwriting of pictures and literary;

  - a sound recording sub-circuit, wherein said sound recording sub-circuit is electrically coupled with said application specific integrated circuit to receive a sound signal, and said sound signal is transformed into a third signal with digital signal of said sound signal;

  - a storage sub-circuit, wherein said storage sub-circuit is electrically coupled with said application specific integrated circuit to access said second signal and said third signal within said storage sub-circuit; and

  - a transmission sub-circuit, wherein said transmission sub-circuit is electrically coupled with said application specific integrated circuit to communicate said second signal, said third signal and the inputting of the external signal with the peripheral electrical apparatuses; and

a handwriting of pictures and literary inputting system, wherein said handwriting of pictures and literary inputting system is used for writing the handwriting of pictures and literary on said paper and perform the interaction of electromagnetic induction to generate said first signal on writing.

11. The digital notebook of claim 10, wherein said handwriting of pictures and literary handling system comprising a power sub-circuit to supply the power to said digital notebook.

12. The digital notebook of claim 10, wherein said application specific integrated circuit perform the wireless communication by using said transmission sub-circuit with the external communication system.

13. The digital notebook of claim 10, wherein said handwriting of pictures and literary inputting system, comprising:

a writing means, said writing means is used for writing the handwriting of pictures and literary on said paper; and

a signaling means, said signaling means is used for performing the interaction of electromagnetic induction to generate said first signal on writing.

14. The digital notebook of claim 10, wherein said handwriting of pictures and literary inputting system comprising a line, wherein said line is electrically coupled with said handwriting of pictures and literary handling system to supply the power to handwriting of pictures and literary inputting system.

15. The digital notebook of claim 10, wherein said handwriting of pictures and literary inputting system comprising a electric current generating sub-circuit to supply the power to handwriting of pictures and literary inputting system by the interaction of electromagnetic induction.

16. A digital notebook, said digital notebook comprise:

an outer covering, wherein said outer covering comprises a first covering means and a second covering means, and said first covering means and said second covering means are connected by a fastening means, wherein said first covering means comprises a first area and a second area, and said fastening means and second covering means comprises a third area and a fourth area separately;

a paper, said paper is connected on said outer covering by a fastening means;

a handwriting of pictures and literary handling system located in said outer covering, comprising:

an electromagnetic induction sub-circuit in said first area, said electromagnetic induction sub-circuit is used for detecting the handwriting of pictures and literary written on said paper to generate a first signal;

an application specific integrated circuit in said second area, said application specific integrated circuit is electrically coupled with said electromagnetic induction sub-circuit to receive said first signal to generate a second signal with digital data of the handwriting of pictures and literary;

a sound recording sub-circuit in said third area, wherein said sound recording sub-circuit is electrically coupled with said application specific integrated circuit to receive a sound signal, and said sound signal is transformed into a third signal with digital signal of said sound signal;

a storage sub-circuit in said fourth area, wherein said storage sub-circuit is electrically coupled with said application specific integrated circuit to access said second signal and said third signal within said storage sub-circuit;

a transmission sub-circuit in said fourth area, wherein said transmission sub-circuit is electrically coupled with said application specific integrated circuit to communicate said second signal, said third signal and the inputting of the external signal with

the peripheral electrical apparatuses; and

a wireless network communication sub-circuit in said fourth area, wherein said wireless network communication sub-circuit is electrically coupled with said application specific integrated circuit to control the wireless network communication, and said wireless network communication sub-circuit is also electrically coupled with said transmission sub-circuit to perform the wireless communication with the external communication system; and

a handwriting of pictures and literary inputting system, wherein said handwriting of pictures and literary inputting system is used for writing the handwriting of pictures and literary on said paper and perform the interaction of electromagnetic induction to generate said first signal on writing.

17. The digital notebook of claim 16, wherein said handwriting of pictures and literary handling system comprising a power sub-circuit to supply the power to said digital notebook.

18. The digital notebook of claim 16, wherein said handwriting of pictures and literary inputting system, comprising:

a writing means, said writing means is used for writing the handwriting of pictures and literary on said paper; and

a signaling means, said signaling means is used for performing the interaction of electromagnetic induction to generate said first signal on writing.

19. The digital notebook of claim 16, wherein said handwriting of pictures and literary inputting system comprising a line, wherein said line is electrically coupled with said handwriting of pictures and literary handling system to supply the power to handwriting of pictures and literary inputting system.

20. The digital notebook of claim 16, wherein said handwriting of

pictures and literary inputting system comprising a electric current generating sub-circuit to supply the power to handwriting of pictures and literary inputting system by the interaction of electromagnetic induction.